

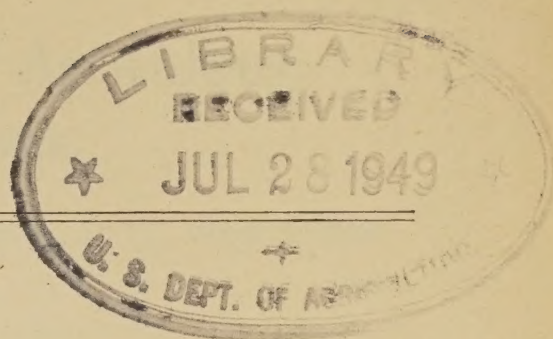
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LIST OF
BULLETINS AND CIRCULARS

ISSUED BY THE

U. S. DEPARTMENT OF AGRICULTURE

AND

AVAILABLE FOR FREE DISTRIBUTION.

CORRECTED TO APRIL 1, 1900.

Withdrawn

FEB 7 '40

United States Department of Agriculture,

DIVISION OF PUBLICATIONS.

WASHINGTON, D. C., *March 1, 1900.*

NOTE.—Copies of the publications in the accompanying list will be sent free, so long as the editions permit, on application to the Secretary of Agriculture, Washington, D. C.

The Farmers' Bulletins and Circulars of Information issued by the U. S. Department of Agriculture are printed in large editions and are for free distribution, the object being to supply farmers and others interested in agriculture and kindred subjects with condensed and practical information. It is expected, however, that applicants will ask for only such publications as are likely to be of special interest to them, and not with a view to getting complete sets, which might embrace certain bulletins or circulars of no use to them but which would be of great value to some one else. If applicants will bear this fact in mind, they will greatly aid the Department in its effort to make the widest and at the same time the most useful distribution of its publications.

BULLETINS AND CIRCULARS FOR FREE DISTRIBUTION.

FARMERS' BULLETINS.

No. 16.—Leguminous Plants for Green Manuring and for Feeding.
Pp. 24.

CONTENTS: Green manuring—How plants get nitrogen from the air—Some crops for green manuring—Composition of green leguminous crops—Green manuring compared with feeding the crops—Alfalfa and crimson clover for feeding—Cowpeas for feeding—Advantages of soiling—Value of leguminous crops for feeding.

No. 19.—Important Insecticides: Directions for Their Preparation and Use. Pp. 32.

CONTENTS: Relation of food habits to remedies—Insecticides for external biting insects (food poisons)—Insecticides for external sucking insects (contact poisons)—Dusting and spraying apparatus—Remedies for subterranean insects—Remedies for insects affecting grain and other stored products—Control of insects by cultural methods—Profit in remedial measures.

No. 21.—Barnyard Manure. Pp. 32, figs. 7.

CONTENTS: Manure as a farm resource—Amount, value, and composition of manures produced by different animals—Influence of age and kind of animal, of quality and quantity of food, of the nature and proportion of litter—Management and use of manure—Lasting or cumulative effect of barnyard manure.

No. 22.—The Feeding of Farm Animals. Pp. 32.

CONTENTS: Principles of feeding—Composition of the animal body—Composition and digestibility of feeding stuffs—Feeding standards for different kinds of animals—Calculation of rations—Selection of feeding stuffs—Preparation of food for animals—Feeding for fat and for lean—Wheat as a food for animals—Table showing composition of feeding stuffs.

No. 23.—Foods: Nutritive Value and Cost. Pp. 32, charts 2.

CONTENTS: Nutriment in food and how it is used in the body—Chemical composition of food materials—The fuel value of food—Definition of food and food economy—Nutritive value of different food materials—Digestibility of food—Calculation of daily dietaries—Pecuniary economy of food—Food and health.

No. 24.—Hog Cholera and Swine Plague. Pp. 16.

CONTENTS: General characters—Symptoms—Appearance on post-mortem examination—The cause of these diseases—Diagnosis and prognosis—Formula for remedy for hog cholera and swine plague—Sanitary measures to prevent the introduction of hog cholera and swine plague—Prevention of disease by proper breeding and feeding.

No. 25.—Peanuts: Culture and Uses. Pp. 24, fig. 1.

CONTENTS: Description and history—Composition—Varieties—Climate and soil suitable for peanut culture—Manuring—Culture—Harvesting—Uses.

No. 26.—Sweet Potatoes: Culture and Uses. Pp. 30, figs. 4.

CONTENTS: Propagation—Character and preparation of soil—Transplanting—Cultivation—Manuring—Harvesting and storing—Varieties—Fungous diseases and insect enemies—Uses—Cost of production.

No. 27.—Flax for Seed and Fiber in the United States. Pp. 16.

CONTENTS: Can both seed and fiber be saved?—Soil selection and preparation—Fertilizing—Rotation—Kind and quantity of seed to sow—Weeds—Harvesting the fiber—Saving the seed—Retting the straw—The "American practice."

No. 28.—Weeds: And How to Kill Them. Pp. 32, figs. 11.

CONTENTS: General methods of eradicating weeds—List of weeds attracting special attention during 1894—Table of one hundred weeds.

No. 29.—Souring of Milk and Other Changes in Milk Products. Pp. 23.

CONTENTS: Composition of milk—Causes of fermentation—Sources, number, and kinds of dairy bacteria—The souring of milk—Supposed effect of thunderstorms—Other forms of fermentation—Fermentation of milk by rennet.

No. 30.—Grape Diseases on the Pacific Coast. Pp. 15, figs. 3.

CONTENTS: California vine disease—Powdery mildew—Coulure.

No. 31.—Alfalfa, or Lucern. Pp. 24, figs. 3.

CONTENTS: Name—History—Description—Varieties—Habits of growth—Preparation of the soil—Sowing the seed—Alfalfa hay—Feeding value—Soiling vs. pasturing—Alfalfa for hogs—Alfalfa in the orchard—Chemical composition—Alfalfa as a soil renovator—Destroying alfalfa—Enemies of alfalfa.

No. 32.—Silos and Silage. Pp. 32, figs. 10.

CONTENTS: Historical—Construction and cost of silos—Selection and culture of silage crops—Filling the silo—Cost of silage—Composition and feeding value of silage—Feeding silage to farm stock.

No. 33.—Peach Growing for Market. Pp. 24, figs. 20.

CONTENTS: Where peaches can be grown—Planting within easy reach of large markets—Extent of peach lands in the United States—Planting and cultivation of the orchard—Pruning—Fertilizers—Fungous diseases and insect pests—Spraying, washing, etc.—Picking and marketing the fruit—Gluts in the market—Hindrances to profitable peach culture.

No. 34.—Meats: Composition and Cooking. Pp. 29, figs. 4.

CONTENTS: Animal and vegetable foods compared—Structure, composition, texture (toughness), flavor, and digestibility of meats—The cooking of meats—Cuts of meat—Fuel value of meats.

No. 35.—Potato Culture. Pp. 24, figs. 3.

CONTENTS: Soil and rotation—Manuring—Varieties—Time to cut seed potatoes—Quantity of seed potatoes per acre—Weight and number of eyes per set—Number of cuttings and stalks per hill—Cultivation—Mulching—Harvesting and storing—Second-crop potatoes.

No. 36.—Cotton Seed and Its Products. Pp. 16.

CONTENTS: Cotton seed—Method of manufacturing cotton-seed products—Cotton-seed oil, meal, and hulls—Cotton-seed-hull ash—Feeding cotton-seed products to farm stock—Effect on health of animals.

No. 37.—Kafir Corn: Characteristics, Culture, and Uses. Pp. 12, fig. 1.

CONTENTS: Characteristics, culture, and uses—Varieties—Soils and climate—Preparation of the soil—Methods of seeding—Cultivation and harvesting—Yield—Composition—Practical feeding tests.

No. 38.—Spraying for Fruit Diseases. Pp. 12, figs. 6.

CONTENTS: Fungicides, or remedies for plant diseases—Applying fungicides—Treatment of grape, apple, pear, quince, cherry, and plum diseases.

No. 39.—Onion Culture. Pp. 31, figs. 3.

CONTENTS: Selection and preparation of soil—Fertilizing—Seed and varieties—Growing onions from sets and from seed sown in the field—Transplanting—Cultivation and weeding—Irrigation—Harvesting—Storing—Production of seed—two important enemies of the onion.

No. 40.—Farm Drainage. Pp. 24, figs. 6.

CONTENTS: Structure of soils, and its relation to their drainage—Natural and artificial drainage—Surface drainage and underdrainage—Tile drainage—Open drains—Construction of open ditches.

No. 41.—Fowls: Care and Feeding. Pp. 24, figs. 4.

CONTENTS: Site for building and yards—Construction of houses—Perches, nests, drinking fountains, dust boxes, etc.—Breeds and breeding—Feeding—Brooders and incubators—Diseases and lice—Dressing and shipping.

No. 42.—Facts about Milk. Pp. 29, figs. 8.

CONTENTS: The dairy industry—Composition and causes of variation in milk—Difficulties in obtaining pure milk—Changes in milk—Care of milk—Detecting impure milk—Town and city milk supply.

No. 43.—Sewage Disposal on the Farm and the Protection of Drinking Water. Pp. 20, figs. 8.

CONTENTS: Methods of disposal of different kinds of sewage—Protection of drinking water—Ways of contamination of water—Construction of wells.

No. 44.—Commercial Fertilizers: Composition and Use. Pp. 24.

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No. 45.—Some Insects Injurious to Stored Grain. Pp. 24, figs. 17.

CONTENTS: Grain weevils—Grain moths—Flour and meal moths—Flour beetles—Meal worms—Grain beetles—The cadelle—Parasites and natural enemies—Methods of control: Preventive measures; insecticides and other destructive agencies; the bisulphide of carbon treatment; summary of principal remedies.

No. 46.—Irrigation in Humid Climates. Pp. 27, figs. 4.

CONTENTS: The advantages of an abundant supply of soil moisture—The rainfall of the growing season in the United States is insufficient for maximum yield—Extent of irrigation in the humid parts of Europe—The rainfall of Europe and the Eastern United States compared—Fertilizing value of irrigation waters—Lands best suited to irrigation in humid climates—Methods of obtaining water for irrigation—The construction of reservoirs—Methods of applying irrigation water.

No. 47.—Insects Affecting the Cotton Plant. Pp. 32, figs. 18.

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No. 48.—The Manuring of Cotton. Pp. 16.

CONTENTS: The draft of the cotton plant upon the fertility of the soil—Experiments in the manuring of cotton.

No. 49.—Sheep Feeding. Pp. 24.

CONTENTS: Feeding breeding ewes—Feeding lambs intended for breeding purposes—Feeding lambs for market.

No. 50.—Sorghum as a Forage Crop. Pp. 20, fig. 1.

CONTENTS: General characteristics and origin—Extent of cultivation in the United States—Varieties—Conditions of growth—Methods of culture—Yield—Value of forage—Chemical composition and digestibility—Objections sometimes urged against sorghum as a forage crop.

No. 51.—Standard Varieties of Chickens. Pp. 48, figs. 42.

Enumerates, describes, and illustrates forty-four varieties of barnyard fowls, popularly called chickens, and recites their respective points of superiority and general utility.

No. 52.—Sugar Beet. Pp. 48, figs. 24.

CONTENTS: Climatic conditions affecting the growth of the sugar beet—The theoretical beet-sugar belt of the United States—Growth of beets on irrigated lands—Varieties of beets—Soils—Fertilization—Precautions to be observed in applying stable manure—Preparation of the land for planting—Planting—Cultivation—Cost of growing beets—Harvesting—Siloing—Domestic production of beet seed—Comparative value of domestic and foreign grown seed—Manufacture of sugar—Home consumption of sugar—Waste products—Cost of manufacture—Cost of factory—Cooperative factories—Statistical.

No. 53.—How to Grow Mushrooms. Pp. 20, figs. 14.

CONTENTS: Raising mushrooms from spores, or seed—Spawn—Where to grow mushrooms—Manure—Temperature—Gathering the mushrooms—Packing—Marketing—Mushroom diseases—Growing mushrooms in summer.

No. 54.—Some Common Birds in Their Relation to Agriculture. Pp. 40, figs. 14.

CONTENTS: The cuckoos—The woodpeckers—The kingbird—The phoebe—The bluejay—The crow—The bobolink, or ricebird—The red-winged blackbird—The meadow lark, or old field lark—The Baltimore oriole—The crow blackbird—The sparrows—The rose-crested grosbeak—The swallows—The cedarbird—The catbird—The brown thrasher—The house wren—The robin—The bluebird.

No. 55.—The Dairy Herd: Its Formation and Management. Pp. 24.

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No. 56.—Experiment Station Work—I. Pp. 31, figs. 10.

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No. 58.—The Soy Bean as a Forage Crop. With an Appendix on Soy Beans as Food for Man. Pp. 24, figs. 5.

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No. 59.—Bee Keeping. Pp. 32, figs. 19.

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No. 60.—Methods of Curing Tobacco. Pp. 16.

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No. 61.—Asparagus Culture. Pp. 40, figs. 17.

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No. 62.—Marketing Farm Produce. Pp. 28, figs. 7.

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No. 63.—Care of Milk on the Farm. Pp. 40, figs. 9.

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No. 64.—Ducks and Geese: Standard Breeds and Management. Pp. 48, figs. 37.

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No. 65.—Experiment Station Work—II. Pp. 32, figs. 7.

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No. 66.—Meadows and Pastures: Formation and Cultivation in the Middle Eastern States. Pp. 28, figs. 9.

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No. 68.—The Black Rot of the Cabbage. Pp. 22, fig. 1.

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No. 69.—Experiment Station Work—III. Pp. 32, figs. 2.

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No. 71.—Some Essentials in Beef Production. Pp. 24, figs. 17.

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No. 72.—Cattle Ranges in the Southwest: A History of the Exhaustion of the Pasturage and Suggestions for its Restoration. Pp. 32, figs. 9.

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No. 77.—The Liming of Soils. Pp. 19.

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No. 78.—Experiment Station Work—V. Pp. 32, figs. 2.

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No. 81.—Corn Culture in the South. Pp. 24.

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No. 82.—The Culture of Tobacco. Pp. 24.

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No. 85.—Fish as Food. Pp. 30.

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No. 86.—Thirty Poisonous Plants of the United States. Pp. 32, figs. 32.

CONTENTS: Names, descriptions, and poisonous character of the most important poisonous plants; locality where found; symptoms of poisoning.

No. 87.—Experiment Station Work—VIII. Pp. 32, figs. 6.

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No. 88.—Alkali Lands. Pp. 23, fig. 1.

CONTENTS: Conditions in the Yellowstone Valley—Rainfall and seepage—How salt determinations are made—Kinds of soil in the valley—Effects of underdrainage.

No. 89.—Cowpeas. Pp. 16, fig. 1.

CONTENTS: Varieties—Soil renovation—Cultivation and harvesting—Cowpeas for forage and for silage—Harvesting the seed—Feeding value.

No. 90.—Manufacture of Sorghum Sirup. Pp. 32.

CONTENTS: Centrifugal molasses—Sorghum sirup and sugar-cane sirup compared—Statistics of sorghum production—Improved varieties of sorghum—Varieties of sorghum selected for sugar manufacture—Preparing the soil, planting, and cultivation—Grinding cane—Horsepower mills—Clarifying the juice—The use of lime—Skimming, settling, and filtering—Claying the juice—Settling tanks—Evaporating—Letters from representative sirup makers.

No. 91.—Potato Diseases and Their Treatment. Pp. 12.

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No. 92.—Experiment Station Work—IX. Pp. 30.

CONTENTS: Sugar beets on alkali soils—Planting and replanting corn—Improvement of sorghum by selection—Improved culture of potatoes—Second-crop potatoes for seed—Cold vs. warm water for plants—Soils and fertilizers for forcing head lettuce—The date palm in the United States—Recent studies on the codling moth—Jerusalem artichoke for pigs—Supplements to skim milk in fattening calves—Pasteurization of milk for butter making—Gassy and tainted curds—Pure cultures of bacteria for cheese making—Explanation of terms used in discussing fertilizers, foods, feeding stuffs, etc.

No. 93.—Sugar as Food. Pp. 27.

CONTENTS: Extent of use—Chemical composition—Characteristics of cane sugar and of other kinds—The sugar cane—The sugar beet—The sugar maple—Quality of sugar from different sources—Food value of sugar—Digestion of sugar—Sugar as a flavor—Food value of molasses—Practical use of sugar in dietaries of adults—Bad effects ascribed to sugar—Effect of exercise on the amount of sugar which may be eaten—Sugar in cooked foods—Confectionery—Sugar in the dietaries of children.

No. 94.—The Vegetable Garden. Pp. 24.

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No. 95.—Good Roads for Farmers. Pp. 47, figs. 49.

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No. 96.—Raising Sheep for Mutton. Pp. 48, figs. 18.

CONTENTS: Experiments in producing mutton—Principal mutton breeds compared—Lambs preferred in the markets—Method of cutting mutton—Dipping for scab—What constitutes a good sheep—Essentials of a good fleece—General notes on sheep feeding.

No. 97.—Experiment Station Work—X. Pp. 32, figs. 5.

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No. 98.—Suggestions to Southern Farmers. Pp. 48.

Summaries of addresses delivered at an Interstate Farmers' Convention held at Vicksburg, Miss., February 8–10, 1899. They relate to soils, the peculiar advantages of the South for growing forage crops, raising and feeding live stock, cotton seed and its products, and other agricultural matters.

No. 99.—Three Insect Enemies of Shade Trees. Pp. 30, figs. 11.

CONTENTS: The imported elm-leaf beetle—The white-marked tussock moth—The fall webworm—Food plants—Remedies—Relative immunity from insect attack of different varieties of shade trees.

No. 100.—Hog Raising in the South. Pp. 40.

CONTENTS: Suitable location—Water—Building—Breeds and breeding—Feeds and feeding—Diseases and treatment—Experiences of successful hog raisers.

No. 101.—Millets. Pp. 28, figs. 6.

CONTENTS: Foxtail millets—Barnyard millets—Broomcorn millets—Culture of millets—Uses and feeding value—Fertilizing value.

No. 102.—Southern Forage Plants. Pp. 48, figs. 14.

CONTENTS: Formation and care of pastures—Soiling and fodder crops—The more important hay and pasture plants: Grasses, leguminous forage plants, miscellaneous forage plants—Adaptation of forage plants to soils.

No. 103.—Experiment Station Work—XI. Pp. 32.

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No. 104.—Notes on Frost. Pp. 24.

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No. 106.—Breeds of Dairy Cattle. Pp. 48, figs. 21.

Gives names, numbers, history, descriptions, and illustrations of all the principal breeds of dairy cattle in the United States.

No. 107.—Experiment Station Work—XIII. Pp. 32, figs. 3.

CONTENTS: Fertilizer requirements of crops—Persimmons—Forcing rhubarb—Grinding corn for cows—Waste in feeding cornstalks—Molasses for farm animals—Feeding ducks—Cost of raising calves—Feeding calves with milk of tuberculous cows—Killing the germs of tuberculosis in milk—Ropy milk and cream—Dairy salt.

No. 108.—Saltbushes. Pp. 20, figs. 9.

CONTENTS: General characteristics—Distribution of seed—Introduced saltbushes—American saltbushes—Composition and food value—Miscellaneous alkali plants—Alkali and alkali soils.

No. 109.—Farmers' Reading Courses. Pp. 20.

CONTENTS: Origin and purpose—Development in Pennsylvania, Michigan, New Hampshire, Connecticut, New York, West Virginia, and South Dakota—Publications on agriculture used or recommended in farmers' reading courses.

No. 110.—Rice Culture in the United States. Pp. 28.

CONTENTS: Varieties of rice—Production and importation—Rice lands—Rice soils—Irrigation—Methods of culture—Harvesting—Milling—Rice as a food—By-products—Rice culture in southwestern Louisiana and southeastern Texas.

No. 111.—The Farmer's Interest in Good Seed. Pp. 24, figs. 7.

No. 112.—Bread and the Principles of Bread Making. Pp. 39, figs. 3.

No. 113.—The Apple and How to Grow It. Pp. 32, figs. 10.

No. 114.—Experiment Station Work—XIV. Pp. 28, figs. 5.

CIRCULARS OF INFORMATION.

DIVISION OF AGROSTOLOGY.

[See also Division of Botany.]

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Circular No. 3.—Saltbushes. Pp. 4, figs. 3.

Circular No. 4.—The Renewing of Worn-Out Native Prairie Pastures. Pp. 4.

Circular No. 5.—Cowpeas. Pp. 11.

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- Agriculture Associations in Belgium. Pp. 21. (Reprinted from Experiment Station Record.)
- List of Publications of the Office of Experiment Stations on the Food and Nutrition of Man.

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- Circular No. 10.—Suggestions to the Lumbermen of the United States in Behalf of More Rational Forest Management. Pp. 8.
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- Circular No. 15.—Summary of Mechanical Tests on Thirty-two Species of American Woods. Pp. 12.
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- Circular No. 19.—Progress in Timber Physics. Bald Cypress. Pp. 24.
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- Circular No. 21.—Practical Assistance to Farmers, Lumbermen, and Others in Handling Forest Lands. Pp. 5.
- Circular No. 22.—Practical Assistance to Tree Planters. Pp. 11, figs. 5.

DIVISION OF GARDENS AND GROUNDS.

- Circular No. 1.—An Experiment in Tea Culture. Pp. 10.

DIVISION OF POMOLOGY.

- Circular No. 3.—Notes on Peach Culture. Pp. 10, figs. 4.

DIVISION OF PUBLICATIONS.

- Circular No. 179.—List of Publications of the Department of Agriculture for Sale by the Superintendent of Documents. Pp. 28. (Revised and corrected to February 1, 1900.)
- Circular No. 218.—The Publication Work of the Department of Agriculture as Affected by the Law of January 12, 1895. Pp. 4.
- Circular No. 247.—List of Farmers' Bulletins and Circulars of Information Available for Distribution. Pp. 20. (Revised and corrected to April 1, 1900.)

Monthly List of Publications.

This list is issued on the last day of each month and contains the titles of all publications issued by the Department of Agriculture during the month. The Monthly List is mailed regularly to all persons who request to have their names enrolled for that purpose.

OFFICE OF ROAD INQUIRY.

- Circular No. 14.—Addresses on Road Improvement. Pp. 15.
- Circular No. 15.—An Act to provide for the Construction of Roads by Local Assessment, County and State Aid. Pp. 3.
- Circular No. 17.—Origin and work of the Darlington Road League. Pp. 6.
- Circular No. 18.—Report of Committee on Legislation, adopted by the State Good Roads Convention held in Richmond, Va., October 10 and 11, 1895. Pp. 6.

Circular No. 19.—Traffic on the Country Roads. Opinions of Representative Men. Pp. 4.

Circular No. 20.—Comments on Systems of Maintaining Country Roads. Pp. 7.

Circular No. 21.—Methods of Constructing Macadamized Roads. Pp. 12.

Extract from a report prepared by the Chief Engineering Inspector of the Local Government Board of Great Britain.

Circular No. 22.—Appeal for State Organization in Tennessee. Pp. 3.

Circular No. 23.—Money Value of Good Roads to Farmers. Pp. 4.

Circular No. 24.—Highway Maintenance and Repairs. Pp. 16.

Highway taxation; comparative results of labor and money systems; contract system of maintaining roads.

Circular No. 25.—Brick Paving for Country Roads. Pp. 7, figs. 6.

Circular No. 27.—Cost of Hauling Farm Products in Europe. Pp. 12.

Circular No. 28.—Addresses on Road Improvement in Maine, North Carolina, New York, and Illinois. Pp. 26.

Circular No. 29.—The Forces which Operate to Destroy Roads, with notes on road stones and problems therewith connected. Pp. 14, pls. 4.

Circular No. 30.—Repairs of Macadam Roads. Pp. 14.

Circular No. 31.—Must the Farmer Pay for Good Roads? Pp. 40, figs. 48.

Circular No. 32.—State Aid to Road Building in Minnesota. Pp. 12, figs. 5.

Circular No. 33.—Road Improvement in Governors' Messages. Pp. 14.

OFFICE OF THE SECRETARY.

Circular No. 2.—Protest Against Proposed Legislation Restricting the Experiments of the Department of Agriculture. Pp. 8.

Circular No. 3.—Progress of Southern Agriculture. Pp. 12.

Circular No. 5.—Civil Service in the Department of Agriculture. Pp. 4.

Circular No. 6.—Number, Status, and Compensation of Employees in the Department of Agriculture. Pp. 4.

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Circular No. 3.—The Soils of the Pecos Valley, New Mexico. Pp. 7.

Circular No. 4.—Soils of Salt Lake Valley, Utah. Pp. 11, fig. 1.

Circular No. 5.—Bulk Fermentation of Connecticut Tobacco. Pp. 10.

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Circular No. 2.—The Wheat Crop of the World for 1895. Pp. 2.

Circular No. 3.—The Farmers' Interest in Finance. Pp. 15.

Circular No. 4.—The Cotton Crop of 1895. Pp. 15.

Circular No. 5.—Local Taxation as Affecting Farms. Pp. 16.

Circular No. 6.—Cereal Crops of 1896. Pp. 12.

Circular No. 8.—The Cotton Crop of 1896-97. Pp. 4.

Circular No. 10.—The Brazos River (Texas) Flood of June-July, 1899, and its effect on the Agriculture of the Submerged Region. Pp. 8.

Circular No. 11.—The World's Grain Crops in 1899. Pp. 8.

Monthly Crop Circulars.

Issued by the Division of Statistics about the 10th of each month (only one report being issued for the two months of January and February), and containing reports on crop conditions, statistics of crops and farm animals, and notes on crops in foreign countries.

DIVISION OF VEGETABLE PHYSIOLOGY AND PATHOLOGY.

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MISCELLANEOUS CIRCULARS.

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Circular No. 3.—The Mississippi River Flood [second report]. Pp. 4.

Opinions of Scientific Men with Regard to the proposition for a Director-in-Chief of Scientific Bureaus in the Department of Agriculture. Pp. 12.

EXTRACTS.

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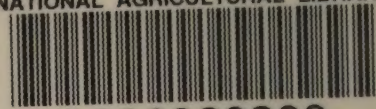
- 89. Grass and Forage Experiment Station at Garden City, Kans.
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